



Information Disclosure Statement
USPN 10/635,790
April 12, 2004
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Form PTO-1449 (Modified) Page 1 of 10	ATTY DOCKET NO. B-4424NP 620844-4	U.S. SERIAL NO. 10/635,790
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Lap-Wai CHOW, et al.	
	FILING DATE August 5, 2003	GROUP 2811

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
MH	09/391,258		Baukus et al	—	—	9/7/1999
	09/758,792		—	—	—	—
	10/637,848		Chow et al.	—	—	8/7/2003
	3,673,471	06/1972	Klein et al.	257	407	—
	3,946,426	03/1976	Sanders	357	71	—
	4,017,888	04/1977	Christie et al.	357	54	—
	4,139,864	02/1979	Vetter	358	188	—
	4,164,461	08/1979	Schilling	204	192 EC	—
	4,196,443	04/1980	Dingwall	257	774	—
	4,267,578	05/1981	Vetter	364	709	—
	4,291,391	09/1981	Chatterjee et al.	365	184	—
	4,295,897	10/1981	Tubbs et al.	148	1.5	—
	4,314,268	02/1982	Yoshioka et al.	357	48	—
	4,317,273	03/1982	Guterman et al.	29	571	—

EXAMINER <i>M. J. Johnson</i>	DATE CONSIDERED 12/1/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
UKT	4,322,736	03/1982	Sasaki et al.	257	369	—
	4,374,454	02/1983	Jochems	29	571	—
	4,409,434	10/1983	Basset et al.	380	265	—
	4,435,895	03/1984	Parillo	29	571	—
	4,471,376	09/1984	Morcom et al.	357	71	—
	4,581,628	04/1986	Miyauchi et al.	357	71	—
	4,583,011	04/1986	Pechar	307	440	—
	4,603,381	07/1986	Guttag et al.	364	200	—
	4,623,255	11/1986	Suszko	356	389	—
	4,727,493	02/1988	Taylor, Sr.	364	490	—
	4,766,516	08/1988	Ozdemir et al.	361	380	—
	4,799,096	01/1989	Koepppe	357	42	—
	4,821,085	04/1989	Haken et al.	357	67	—
✓	4,830,974	05/1989	Chang et al.	437	34	—

EXAMINER <i>Maureen</i>	DATE CONSIDERED 12/1/05
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
UK	4,939,567	07/1990	Kenney	257	383	—
	4,975,756	12/1990	Haken et al.	357	4.1	—
	4,998,151	03/1991	Korman et al.	257	328	—
	4,962,484	10/1990	Takeshima et al.	365	226	—
	5,030,796	07/1991	Swanson et al.	174	52.2	—
	5,050,123	09/1991	Castro	365	53	—
	5,061,978	10/1991	Mizutani et al.	357	30	—
	5,065,208	11/1991	Shah et al.	357	34	—
	5,068,697	11/1991	Noda et al.	357	23.5	—
	5,070,378	12/1991	Yamagata	357	23.5	—
	5,101,121	03/1992	Sourgen	307	465	—
	5,117,276	05/1992	Thomas et al.	357	71	—
	5,121,089	06/1992	Larson et al.	333	107	—
V	5,121,186	06/1992	Wong et al.	257	384	—

EXAMINER <i>A. Sullivan</i>	DATE CONSIDERED 12/1/05
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
UH	5,132,571	07/1992	McCollum et al.	307	465.1	—
	5,138,197	09/1992	Kuwana	307	449	—
	5,146,117	09/1992	Larson	307	465	—
	5,168,340	12/1992	Nishimura	357	376	—
	5,177,589	01/1993	Kobayashi et al.	257	773	—
	5,202,591	04/1993	Walden	307	450	—
	5,225,699	07/1993	Nakamura	257	306	—
	5,227,649	07/1993	Chapman	257	204	—
	5,231,299	07/1993	Ning et al.	257	316	—
	5,302,539	04/1994	Haken et al.	437	41	—
	5,308,682	05/1994	Morikawa	428	195	—
	5,309,015	05/1994	Kuwata et al.	257	659	—
	5,317,197	05/1994	Roberts	257	401	—
	5,336,624	08/1994	Walden	437	34	—

<u>EXAMINER</u> M. Markson	<u>DATE CONSIDERED</u> 12/1/05
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LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Lap-Wai CHOW, et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
MA	5,341,013	08/1994	Koyanagi et al.	257	368	—
	5,345,105	9/1994	Sun et al.	257	659	—
	5,354,704	10/1994	Yang et al.	437	52	—
	5,369,299	11/1994	Byrne et al.	257	638	—
	5,371,390	12/1994	Mohsen	257	209	—
	5,376,577	12/1994	Roberts et al.	437	52	—
	5,384,472	01/1995	Yin	257	204	—
	5,384,475	1/1995	Yahata	257	314	—
	5,399,441	03/1995	Bearinger et al.	428	689	—
	5,404,040	04/1995	Hshieh et al.	257	341	—
	5,412,237	05/1995	Komori et al.	257	306	—
	5,441,902	08/1995	Hsieh et al.	437	34	—
	5,468,990	11/1995	Daum	257	632	—
	5,475,251	12/1995	Kuo et al.	257	316	—

EXAMINER <i>MA</i>	DATE CONSIDERED 12/1/05
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>MS</i>	5,506,806	04/1996	Fukushima	365	195	—
	5,531,018	07/1996	Saia et al.	29	622	—
	5,539,224	07/1996	Ema	257	211	—
	5,541,614	07/1996	Lam et al.	343	792.5	—
	5,571,735	11/1996	Mogami et al.	437	41	—
	5,576,988	11/1996	Kuo et al.	365	185.0 4	—
	5,611,940	03/1997	Zettler	73	514.1 6	—
	5,638,946	06/1997	Zavracky	200	181	—
	5,677,557	10/1997	Wuu et al.	257	382	—
	5,679,595	10/1997	Chen et al.	437	52	—
	5,719,422	02/1998	Burr et al.	257	336	—
	5,719,430	02/1998	Goto	257	403	—
	5,721,150	02/1998	Pasch	437	46	—
	5,783,375	7/1998	Twist	430	414	—

EXAMINER <i>Amakuro</i>	DATE CONSIDERED <i>12/1/05</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(a) DATE IF APPROPRIATE
<i>MA</i>	5,783,846	07/1998	Baukus et al.	257	204	—
	5,821,590	10/1998	Lee et al.	257	377	—
	5,834,356	11/1998	Bothra et al.	438	384	—
	5,838,047	03/1999	Yamauchi et al.	257	372	—
	5,854,510	12/1998	Sur, Jr. et al.	257	529	—
	5,866,933	02/1999	Baukus et al.	257	368	—
	5,880,503	03/1999	Matsumoto et al.	257	372	—
	5,888,887	03/1999	Li et al.	438	525	—
	5,920,097	07/1999	Horne	257	368	—
	5,930,663	07/1999	Baukus et al.	438	598	—
	5,930,667	7/1999	Oda	438	622	—
	5,973,375	10/1999	Baukus et al.	257	399	—
	5,977,593	11/1999	Hara	257	356	—
	5,998,257	12/1999	Lane et al.	438	253	—

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 12/1/05
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EXAMINER: Initial or reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>MA</i>	6,037,627	03/2000	Kitamura et al.	257	324	—
	6,046,659	04/2000	Loo et al.	333	262	—
	6,054,659	04/2000	Lee et al.	200	181	—
	6,057,520	05/2000	Goodwin-Johansson	200	181	—
	6,064,110	5/2000	Baukus et al.	257	652	—
	6,093,609	7/2000	Chuang	438	286	—
	6,117,762	05/2000	Baukus et al.	438	618	—
	6,137,318	10/2000	Takaaki	326	112	—
	6,154,388	11/2000	Oh	365	185.0 4	—
	6,215,158 B1	04/2001	Choi	257	368	—
	6,294,816 B1	09/2001	Baukus et al.	257	368	—
	6,326,675 B1	12/2001	Scott et al.	257	608	—
	6,365,453 B1	4/2002	Deboer et al.	438	253	—

EXAMINER <i>MA</i>	DATE CONSIDERED 12/1/05
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
u	0 364 769	04/1990	EP	—	—	yes
	0 463 373	01/1992	EP	—	—	yes
	0 528 302 A1	02/1993	EP	—	—	yes
	0 585 601 A1	03/1994	EP	—	—	yes
	0 764 985 A2	03/1997	EP	—	—	yes
	0 883 184 A2	12/1998	EP	—	—	yes
	02-046762	02/1990	JP	—	—	abstract
	02-237038	09/1990	JP	—	—	abstract
	58-190064	11/1983	JP	—	—	abstract
	63-129647 A	06/1988	JP	—	—	abstract
✓	00/44012	07/2000	WO	—	—	abstract
	98/21734	05/1998	WO	—	—	abstract

EXAMINER <i>Apalun</i>	DATE CONSIDERED 12/1/05
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LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Lap-Wai CHOW, et al.	
	FILING DATE August 5, 2003	GROUP 2811

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	Blythe, et al., "Layout Reconstruction of Complex Silicon Chips," <i>IEEE Journal of Solid-State Circuits</i> , Vol. 28, No. 2, pp. 138-145 (February 1993).
<input type="checkbox"/>	Frederiksen, Thomas M., "Standard Circuits in the New CMOS Era," <i>Intuitive CMOS Electronics</i> , Revised Edition, pp. 134-146 (January 1989).
<input type="checkbox"/>	Hodges and Jackson, <i>Analysis and Design of Digital Integrated Circuits</i> , 2nd edition, McGraw-Hill, page 353 (1988).
<input type="checkbox"/>	Larson, L.E., et al., "Microactuators for GaAs-based Microwave Integrated Circuits," <i>IEEE</i> , pp. 743-746 (1991).
<input type="checkbox"/>	Lee, "Engineering a Device for Electron-Beam Probing," <i>IEEE Design and Test of Computers</i> , pp. 36-49 (June 1989).
<input type="checkbox"/>	Ng, K.K., <i>Complete Guide to Semiconductor Devices</i> , McGraw-Hill, Inc., pp 164-165 (1995).
<input type="checkbox"/>	Sze, S.M., <i>VLSI Technology</i> , McGraw-Hill, pp. 99, 447, 461-465 (1983).
<input checked="" type="checkbox"/>	Sze, S.M., ed., "Silicides for Gates and Interconnections," <i>VLSI Technology</i> , McGraw-Hill, pp. 372-380 (1983).

EXAMINER <i>MAA [Signature]</i>	DATE CONSIDERED <i>12/1/05</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with NPEP 602. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>MT</i>	5,132,571	07/1992	McCollum et al.	307	465.1	—
	5,138,197	08/1992	Kuwana	307	449	—
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	5,202,591	04/1993	Walden	307	450	—
	5,225,699	07/1993	Nakamura	257	306	—
	5,227,649	07/1993	Chapman	257	204	—
	5,231,299	07/1993	Ning et al.	257	316	—
	5,302,539	04/1994	Haken et al.	437	41	—
	5,308,682	05/1994	Morikawa	428	195	—
	5,309,015	05/1994	Kuwata et al.	257	659	—
	5,317,197	05/1994	Roberts	257	401	—
<i>✓</i>	5,336,624	08/1994	Walden	437	34	—

EXAMINER <i>M. A. Malone</i>	DATE CONSIDERED <i>12/13/04</i>
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EXAMINER: Initial/1? reference considered, whether or not citation is in conformance with MPEP 601; Drawings through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	5,412,237	05/1995	Komori et al.	257	306	—
	5,441,902	08/1995	Hsieh et al.	437	34	—
	5,468,990	11/1995	Daum	257	632	—
	5,475,251	12/1995	Kuo et al.	257	316	—

EXAMINER <i>MH</i>	DATE CONSIDERED 12/13/04
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EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 801.02. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>MT</i>	5,539,224	07/1996	Ema	257	211	✓
<i>MT</i>	5,541,614	07/1996	Lam et al.	343	792.5	—
<i>MT</i>	5,571,735	11/1996	Mogami et al.	437	41	—
<i>MT</i>	5,576,988	11/1996	Kuo et al.	365	185.0 4	—
<i>MT</i>	5,611,940	03/1997	Zettler	73	514.1 6	—
<i>MT</i>	5,638,946	06/1997	Zavracky	200	181	—
<i>MT</i>	5,677,557	10/1997	Wuu et al.	257	382	—
<i>MT</i>	5,679,595	10/1997	Chen et al.	437	52	—
<i>MT</i>	5,719,422	02/1998	Burr et al.	257	336	—
<i>MT</i>	5,719,430	02/1998	Goto	257	403	—
<i>MT</i>	5,721,150	02/1998	Pasch	437	46	—
<i>MT</i>	5,783,375	7/1998	Twist	430	414	—

SEARCHED	DATE CONTINUED
<i>11/13/04</i>	<i>12/13/04</i>

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Alt	5,783,846	07/1998	Baukus et al.	257	204	—
	5,821,590	10/1998	Lee et al.	257	377	—
	5,834,356	11/1998	Bothra et al.	438	384	—
	5,838,047	03/1999	Yamauchi et al.	257	372	—
	5,854,510	12/1998	Sur, Jr. et al.	257	529	—
	5,866,933	02/1999	Baukus et al.	257	368	—
	5,880,503	03/1999	Matsumoto et al.	257	372	—
	5,888,887	03/1999	Li et al.	438	525	—
	5,920,097	07/1999	Horne	257	368	—
	5,930,663	07/1999	Baukus et al.	438	598	—
	5,930,667	7/1999	Oda	438	622	—
	5,973,375	10/1999	Baukus et al.	257	399	—
	5,977,593	11/1999	Hara	257	356	—
J	5,998,257	12/1999	Lane et al.	438	253	—

EXAMINER <i>Alt</i>	DATE CONSIDERED <i>Alt 12/13/04</i>
<small>EXAMINER: Initials or reference considered, whether or not citation is in conformance with MPEP 601. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
UH	6,037,627	03/2000	Kitamura et al.	257	324	—
	6,046,659	04/2000	Loo et al.	333	262	—
	6,054,659	04/2000	Lee et al.	200	181	—
	6,057,520	05/2000	Goodwin-Johansson	200	181	—
	6,064,110	5/2000	Baukus et al.	257	652	—
	6,093,609	7/2000	Chuang	438	286	—
	6,117,762	09/2000	Baukus et al.	438	618	—
	6,137,318	10/2000	Takaaki	326	112	—
	6,154,388	11/2000	Oh	365	185.0 4	—
	6,215,158 B1	04/2001	Choi	257	368	—
	6,294,816 B1	09/2001	Baukus et al.	257	368	—
	6,326,675 B1	12/2001	Scott et al.	257	608	—
	6,365,453 B1	4/2002	Deboer et al.	438	253	—

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 12/13/04
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
MX	09/391,258		Baukus et al	—	—	9/7/1999
	09/758,792		—	—	—	—
	10/637,848		Chow et al.	—	—	8/7/2003
	3,673,471	06/1972	Klein et al.	257	407	—
	3,946,426	03/1976	Sanders	357	71	—
	4,017,888	04/1977	Christie et al.	357	54	—
	4,139,864	02/1979	Vetter	358	188	—
	4,164,461	08/1979	Schilling	204	192 EC	—
	4,196,443	04/1980	Dingwall	257	774	—
	4,267,578	05/1981	Vetter	364	709	—
	4,291,391	09/1981	Chatterjee et al.	365	184	—
	4,295,897	10/1981	Tubbs et al.	148	1.5	—
	4,314,268	02/1982	Yoshioka et al.	357	48	—
V	4,317,273	03/1982	Guterman et al.	29	571	—

EXAMINER <i>[Signature]</i>	DATE CONTINUED 12/13/04
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(s) DATE IF APPROPRIATE
MH	4,322,736	03/1982	Sasaki et al.	257	369	—
	4,374,454	02/1983	Jochems	29	571	—
	4,409,434	10/1983	Basset et al.	380	265	—
	4,435,895	03/1984	Parillo	29	571	—
	4,471,376	09/1984	Morcom et al.	357	71	—
	4,581,628	04/1986	Miyauchi et al.	357	71	—
	4,583,011	04/1986	Pechar	307	440	—
	4,603,381	07/1986	Gutttag et al.	364	200	—
	4,623,255	11/1986	Suszko	356	389	—
	4,727,493	02/1988	Taylor, Sr.	364	490	—
	4,766,516	08/1988	Ozdemir et al.	361	380	—
	4,799,096	01/1989	Koepppe	357	42	—
	4,821,085	04/1989	Haken et al.	357	67	—
✓	4,830,974	05/1989	Chang et al.	437	34	—

EXAMINER <i>Mallison</i>	DATE CONSIDERED 12/13/04
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>MS</i>	4,939,567	07/1990	Kenney	257	383	—
<i>/</i>	4,975,756	12/1990	Haken et al.	357	4.1	—
<i>/</i>	4,998,151	03/1991	Korman et al.	257	328	—
<i>/</i>	4,962,484	10/1990	Takeshima et al.	365	226	—
<i>/</i>	5,030,796	07/1991	Swanson et al.	174	52.2	—
<i>/</i>	5,050,123	09/1991	Castro	365	53	—
<i>/</i>	5,061,978	10/1991	Mizutani et al.	357	30	—
<i>/</i>	5,065,208	11/1991	Shah et al.	357	34	—
<i>/</i>	5,068,697	11/1991	Noda et al.	357	23.5	—
<i>/</i>	5,070,378	12/1991	Yamagata	357	23.5	—
<i>/</i>	5,101,121	03/1992	Sourgen	307	465	—
<i>/</i>	5,117,276	05/1992	Thomas et al.	357	71	—
<i>/</i>	5,121,089	06/1992	Larson et al.	333	107	—
<i>/</i>	5,121,186	06/1992	Wong et al.	257	384	—

EXAMINER <i>MS</i>	DATE CONSIDERED 12/13/04
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	0 364 769	04/1990	EP			yes
	0 463 373	01/1992	EP			yes
	0 528 302 A1	02/1993	EP			yes
	0 585 601 A1	03/1994	EP			yes
	0 764 985 A2	03/1997	EP			yes
	0 883 184 A2	12/1998	EP			yes
	02-046762	02/1990	JP			abstract
	02-237038	09/1990	JP			abstract
	58-190064	11/1983	JP			abstract
	63-129647 A	06/1988	JP			abstract
	00/44012	07/2000	WO			abstract
	98/21734	05/1998	WO			abstract

EXAMINER <i>Michael W. Smith</i>	DATE CONSIDERED 12/13/04
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